

MAPS

Latitude, Longitude, Topography

Types of Maps

Political Map



Political maps are maps that have to do with government. They show where the boundaries and locations of countries, states, cities, towns and counties are. These boundaries and locations are generally determined by people rather than nature.

Types of Maps

Physical Map

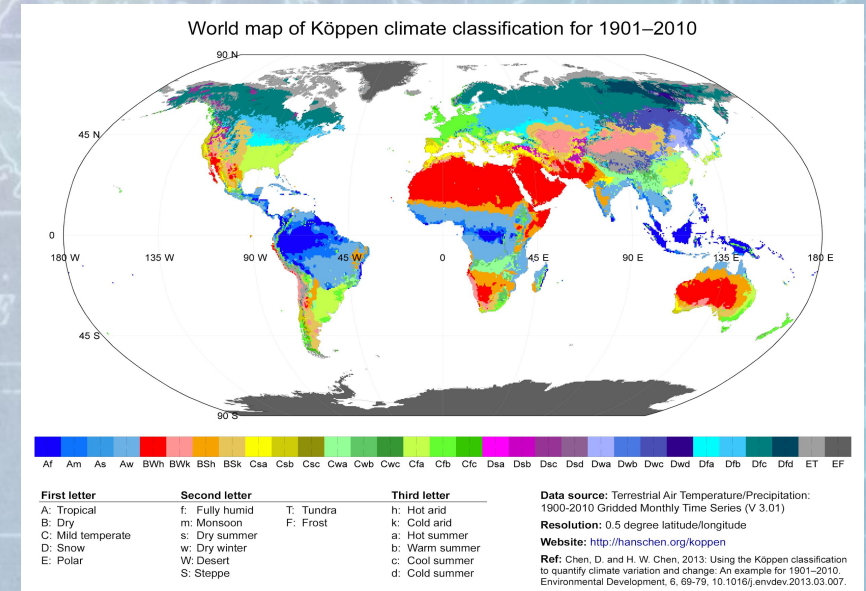
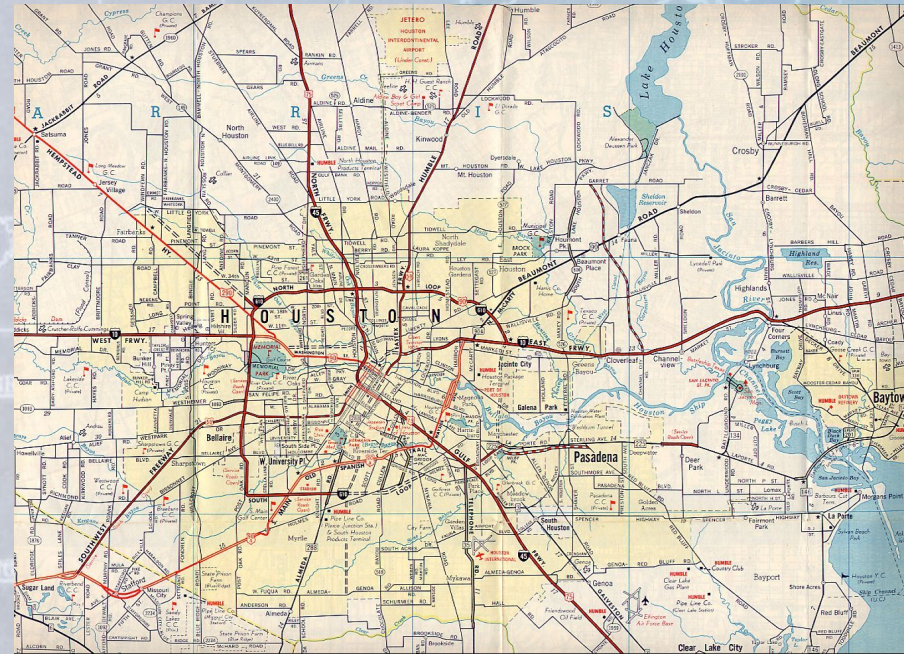


Physical Maps: A physical map focuses on the geography of the area and will often have shaded relief to show the mountains and valleys. Typical colors are blues, greens and browns. Many rivers, mountains and lake features are usually labeled.

Types of Maps

Other types of Maps

- Road
- Resource
- Climate
- Etc.

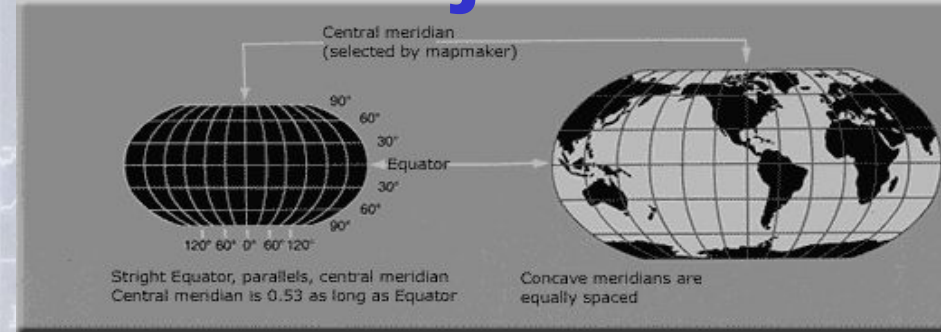


Representations of Earth

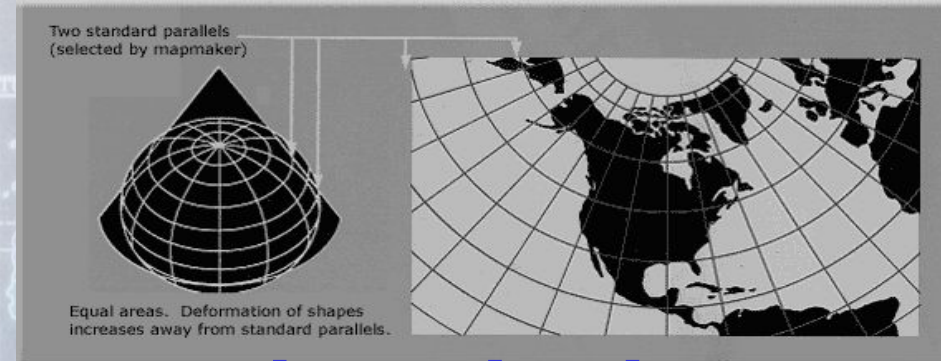
Globe = Most accurate model of Earth's land forms & oceans



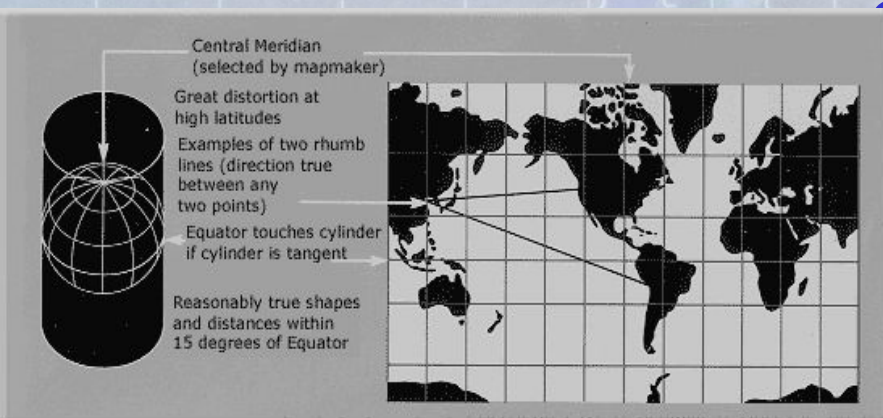
Robinson Projection



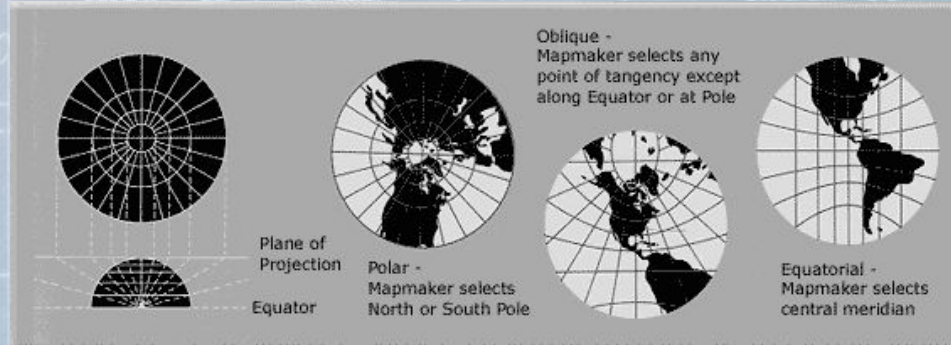
Conic Projection



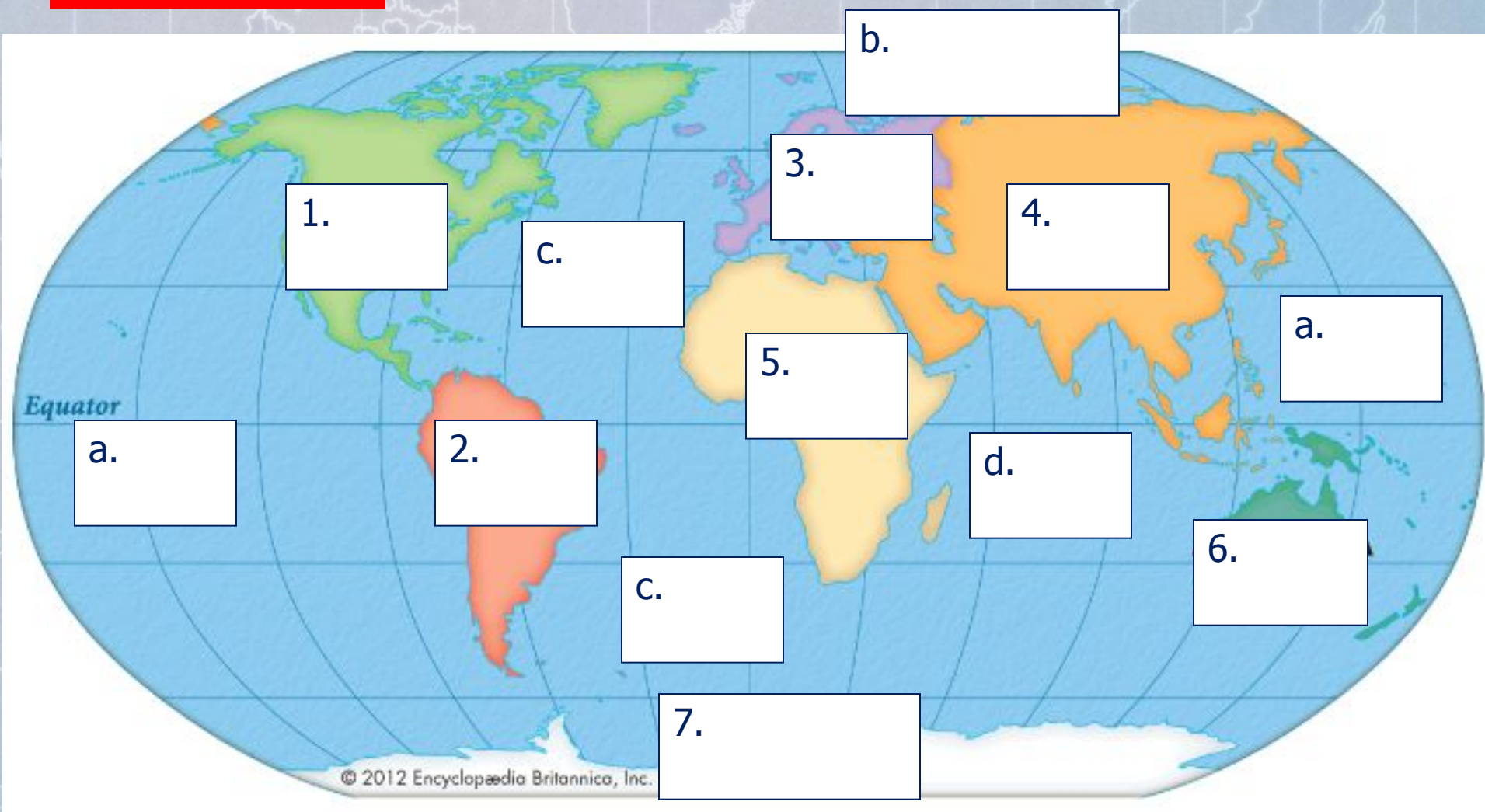
Mercator Projection



Gnomonic Projection



QUIZ TIME:



1.

b.

3.

4.

c.

a.

5.

a.

2.

d.

c.

6.

7.

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Check:

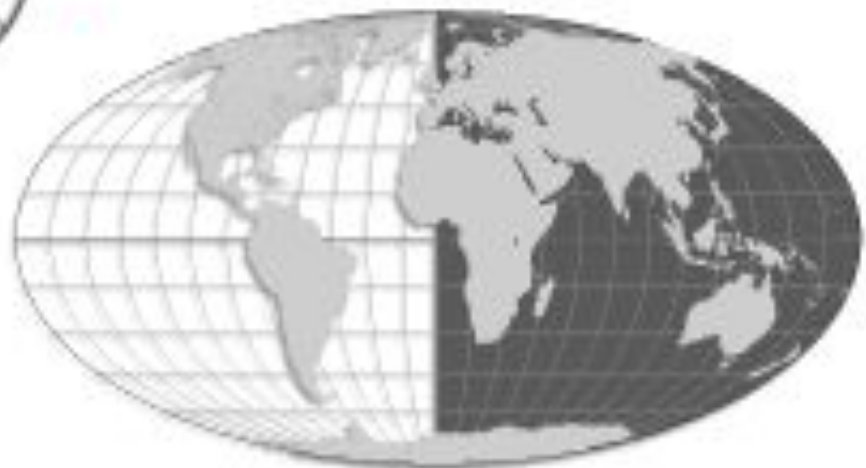


What lines separate the hemispheres?

Northern Hemisphere



Western Hemisphere



Southern Hemisphere

Eastern Hemisphere

Latitude

Distance north or south of the equator; measured in degrees.

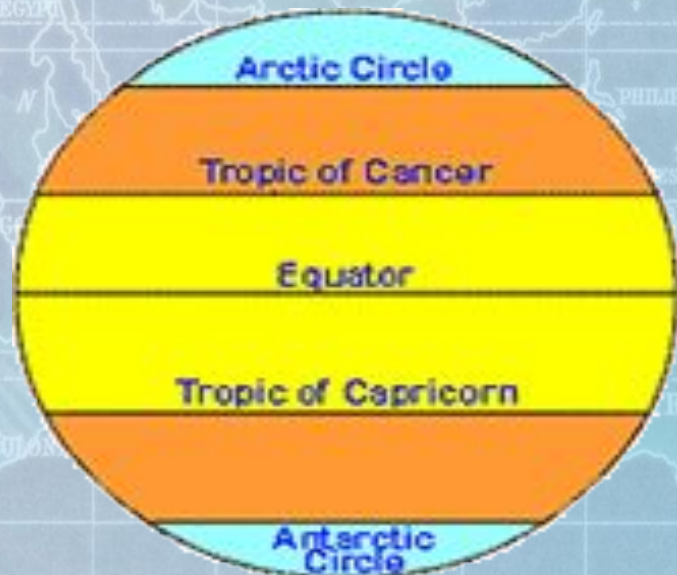
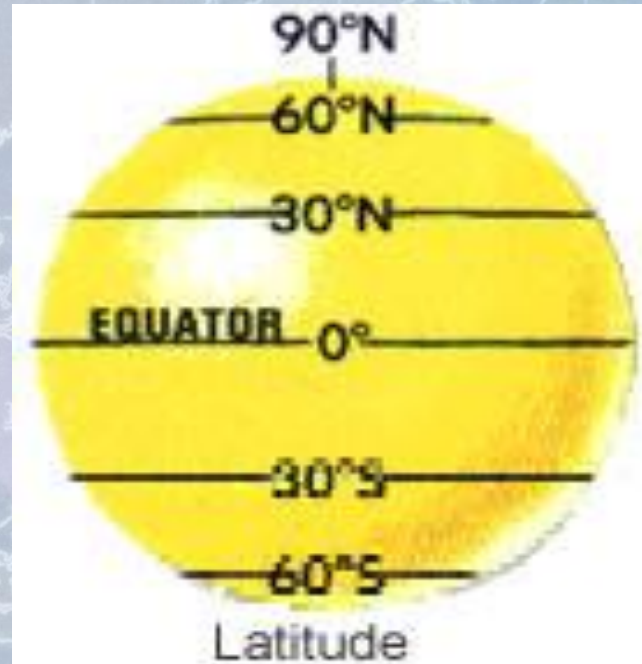
Equator = 0° latitude.

North & South Pole = 90° latitude

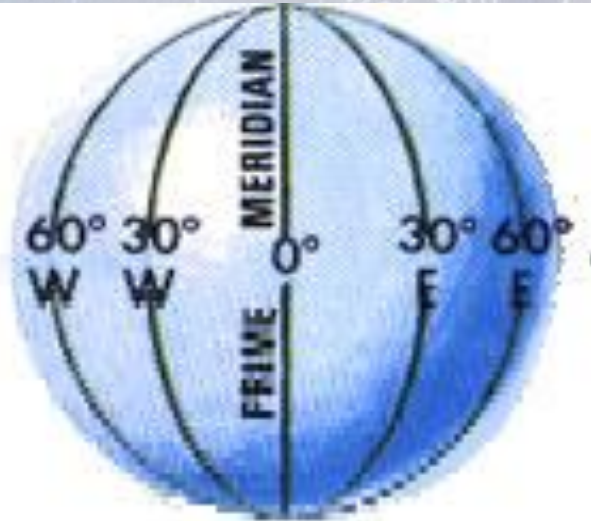
Lat rhymes with FLAT

Other lines of latitude:

- Tropic of Cancer
- Arctic Circle
- Tropic of Capricorn
- Antarctic Circle



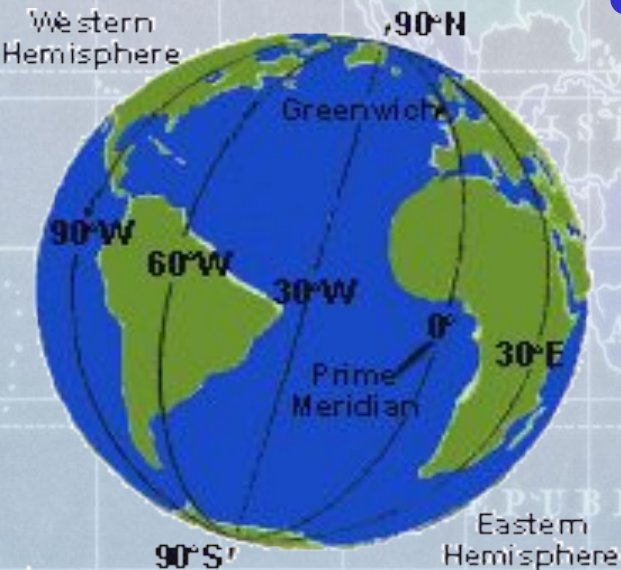
Longitude



Longitude

Distance east or west of the prime meridian; measured in degrees.

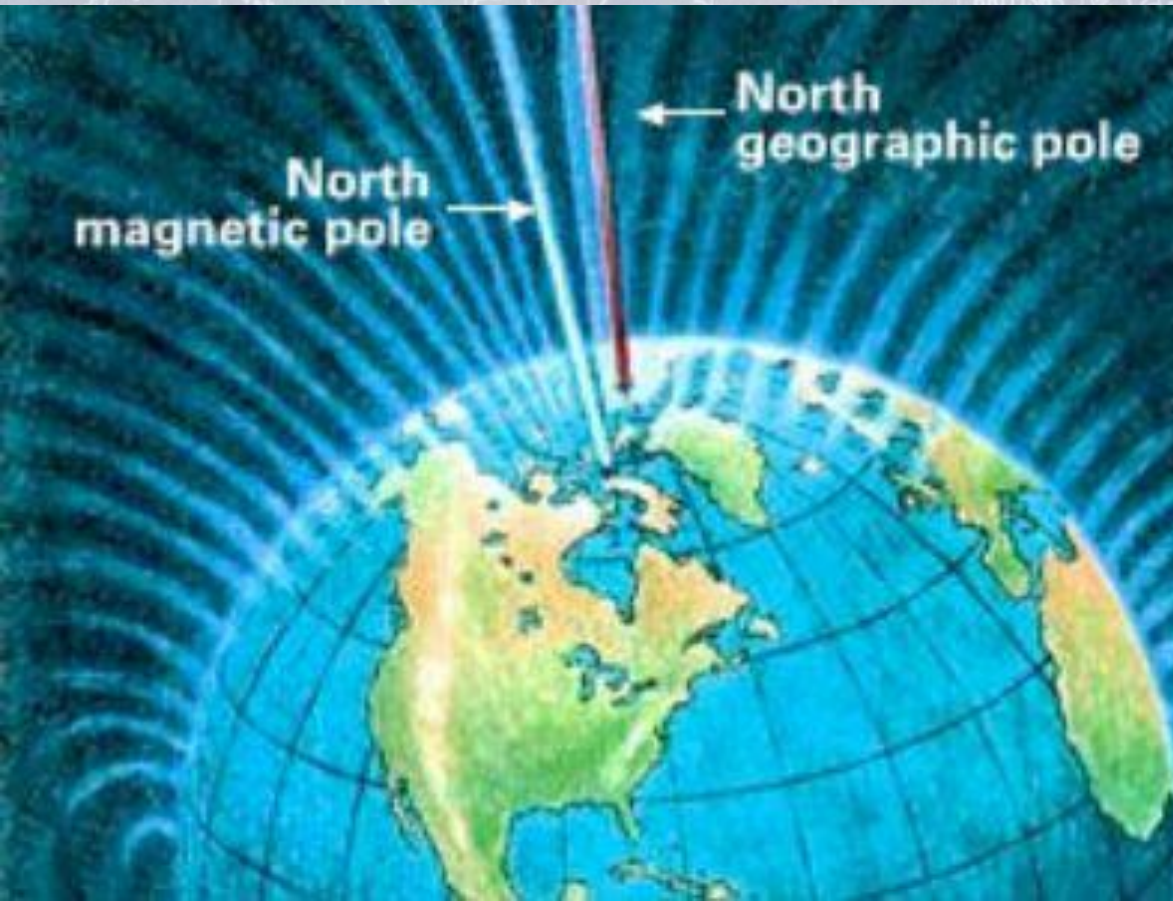
- **Prime Meridian** = 0° longitude
(runs through Great Britain & Eastern Africa)
- **International Date Line** = 180° longitude
(runs through the Pacific Ocean).



- **International Date Line** = 180° longitude
(runs through the Pacific Ocean).

What direction does a compass needle point?

- The earth is a giant magnet
- Compass points to “Magnetic North Pole”



Trivia Tip:
Symbol for Iron = Fe

Stand UP!

- **Choose a term that you just learned and either surprised you, intrigued you, or confused you**
- **Find someone:**
 - **Not sitting at your table**
- **Discuss this term with that person. You have 2 minutes!**